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12-14-01  
PTO/SB-05 (11-00)  
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12-14-01

U S Patent and Trademark Office, U S DEPARTMENT OF COMMERCE

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 514802001300

First Inventor Masaki KUROKAWA

Title ELECTRON BEAM EXPOSURE APPARATUS AND FABRICATION METHOD OF ELECTRONIC DEVICE

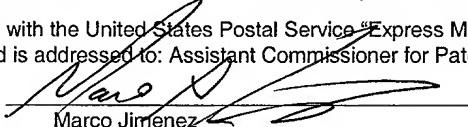
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## CERTIFICATE OF MAILING BY "EXPRESS MAIL"

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Date of Deposit: December 10, 2001

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Marco Jimenez12-14-01  
U.S. PTO  
12/10/01  
JC555

### APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- |  |  |
|--|--|
| <p>1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g. PTO/SB/17)<br/><i>(Submit an original, and a duplicate for fee processing)</i></p> <p>2. <input type="checkbox"/> Applicant claims small entity status.<br/>See 37 CFR 1.27</p> <p>3. <input checked="" type="checkbox"/> Specification [Total Pages 31]<br/><i>(preferred arrangement set forth below)</i><br/>           - Descriptive title of the Invention<br/>           - Cross Reference to Related Applications<br/>           - Statement Regarding Fed sponsored R &amp; D<br/>           - Reference to sequence listing, a table, or a computer program listing appendix<br/>           - Background of the Invention<br/>           - Brief Summary of the Invention<br/>           - Brief Description of the Drawings <i>(if filed)</i><br/>           - Detailed Description<br/>           - Claim(s)<br/>           - Abstract of the Disclosure</p> | <p>7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program <i>(Appendix)</i></p> <p>8. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission<br/><i>(if applicable, all necessary)</i></p> <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> Computer Readable Form (CRF)</li> <li>b. <input type="checkbox"/> Specification Sequence Listing on:           <ul style="list-style-type: none"> <li>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or</li> <li>ii. <input type="checkbox"/> paper</li> </ul> </li> <li>c. <input type="checkbox"/> Statements verifying identity of above copies</li> </ul> |
|--|--|

### ACCOMPANYING APPLICATION PARTS

- |  |  |
|--|--|
| <p>9. <input type="checkbox"/> Assignment Papers (cover sheet &amp; document(s))</p> <p>10. <input type="checkbox"/> 37 CFR 3.73(b) Statement<br/><i>(where there is an assignee)</i></p> <p>11. <input type="checkbox"/> English Translation document (if applicable)</p> <p>12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449</p> <p>13. <input type="checkbox"/> Preliminary Amendment</p> <p>14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)<br/><i>Should be specifically itemized</i></p> <p>15. <input type="checkbox"/> Certified Copy of Priority Document<br/><i>(if foreign priority is claimed)</i></p> <p>16. <input type="checkbox"/> Request and Certification under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.</p> <p>17. <input type="checkbox"/> Other _____</p> | <p><input type="checkbox"/> Power of Attorney</p> <p><input type="checkbox"/> Copies of IDS Citations:</p> |
|--|--|

18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76.

Continuation       Divisional       Continuation-in-part (CIP)      of prior application No: \*

Prior application information

Examiner \*

Group / Art Unit \*

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. This incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

### 19. CORRESPONDENCE ADDRESS

 Customer Number or Bar Code Labelor  Correspondence address below

25224

PATENT TRADEMARK OFFICE

(Insert Customer No or Attach bar code label here)

|                   |                               |           |                                  |          |                |
|-------------------|-------------------------------|-----------|----------------------------------|----------|----------------|
| Name              | David L. Fehrman              |           |                                  |          |                |
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| Country           | US                            | Telephone | (213) 892-5601                   | Fax      | (213) 892-5454 |
| Name (Print/Type) | David T. Yang                 |           | Registration No (Attorney/Agent) | 44,415   |                |
| Signature         | Date December 10, 2001        |           |                                  |          |                |

# FEE TRANSMITTAL FOR FY 2001

**DUPLICATE COPY  
FOR FEE PROCESSING**

Patent fees are subject to annual revision.

**Complete if Known**

|                      |                       |
|----------------------|-----------------------|
| Application Number   | Not yet assigned      |
| Filing Date          | Concurrently herewith |
| First Named Inventor | Masaki KUROKAWA       |
| Examiner Name        | Not yet assigned      |
| Group Art Unit       | Not yet assigned      |

**TOTAL AMOUNT OF PAYMENT**

(\$824.00)

Attorney Docket No

514802001300

**METHOD OF PAYMENT**

1.  The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number **03-1952**Deposit Account Name **Morrison & Foerster LLP**

- Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

- Applicant claims small entity status. See 37 CFR 1.27

2.  Payment Enclosed:

- Check  Credit Card  Money Order  Other

**FEE CALCULATION (continued)****1. BASIC FILING FEE**

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description        | Fee Paid   |
|----------------|-----------------|----------------|-----------------|------------------------|------------|
| 101            | 740             | 201            | 370             | Utility filing fee     | <b>740</b> |
| 106            | 330             | 206            | 165             | Design filing fee      |            |
| 107            | 510             | 207            | 255             | Plant filing fee       |            |
| 108            | 740             | 208            | 370             | Reissue filing fee     |            |
| 114            | 160             | 214            | 80              | Provisional filing fee |            |

SUBTOTAL (1) **(\$710.00)****2. EXTRA CLAIM FEES**

| Total Claims       | 18 | - 20 = | 0 | x | 18 | = | \$ 0 |
|--------------------|----|--------|---|---|----|---|------|
| Independent Claims | 4  | - 3 =  | 1 | x | 84 | = | \$84 |
| Multiple Dependent |    |        |   |   |    | = | \$0  |

**3. ADDITIONAL FEES**

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description | Fee Paid | Fee Description  | Fee Paid |
|----------------|-----------------|----------------|-----------------|-----------------|----------|--|----------|
| 105            | 130             |                | 205             | 65              |          | Surcharge - late filing fee or oath  |          |
| 127            | 50              |                | 227             | 25              |          | Surcharge - late provisional filing fee or cover sheet                       |          |
| 139            | 130             |                | 139             | 130             |          | Non-English specification  |          |
| 147            | 2,520           |                | 147             | 2,520           |          | For filing a request for <i>ex parte</i> reexamination                       |          |
| 112            | 920*            |                | 112             | 920*            |          | Requesting publication of SIR prior to Examiner action                       |          |
| 113            | 1,840*          |                | 113             | 1,840*          |          | Requesting publication of SIR after Examiner action                          |          |
| 115            | 110             |                | 215             | 55              |          | Extension for reply within first month                                       |          |
| 116            | 400             |                | 216             | 200             |          | Extension for reply within second month                                      |          |
| 117            | 920             |                | 217             | 460             |          | Extension for reply within third month                                       |          |
| 118            | 1440            |                | 218             | 720             |          | Extension for reply within fourth month                                      |          |
| 128            | 1,960           |                | 228             | 980             |          | Extension for reply within fifth month                                       |          |
| 119            | 320             |                | 219             | 160             |          | Notice of Appeal   |          |
| 120            | 320             |                | 220             | 160             |          | Filing a brief in support of an appeal                                       |          |
| 121            | 280             |                | 221             | 140             |          | Request for oral hearing   |          |
| 138            | 1,510           |                | 138             | 1,510           |          | Petition to institute a public use proceeding                                |          |
| 140            | 110             |                | 240             | 55              |          | Petition to revive - unavoidable   |          |
| 141            | 1,280           |                | 241             | 640             |          | Petition to revive - unintentional   |          |
| 142            | 1,280           |                | 242             | 620             |          | Utility issue fee (or reissue)   |          |
| 143            | 460             |                | 243             | 230             |          | Design issue fee   |          |
| 144            | 620             |                | 244             | 310             |          | Plant issue fee  |          |
| 122            | 130             |                | 122             | 130             |          | Petitions of the Commissioner  |          |
| 123            | 50              |                | 123             | 50              |          | Petitions related to provisional applications                                |          |
| 126            | 180             |                | 126             | 180             |          | Submission of Information Disclosure Stmt                                    |          |
| 581            | 40              |                | 581             | 40              |          | Recording each patent assignment per properties (times number of properties) |          |
| 146            | 740             |                | 246             | 370             |          | Filing a submission after final rejection (37 CFR § 1.129(a))                |          |
| 149            | 740             |                | 249             | 370             |          | For each additional invention to be examined (37 CFR § 1.129(b))             |          |
| 179            | 740             |                | 279             | 370             |          | Request for Continued Examination (RCE)                                      |          |
| 169            | 900             |                | 169             | 900             |          | Request for expedited examination of a design application                    |          |

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) **(\$0)**

\*\* or number previously paid, if greater; For reissues, see above.

**SUBMITTED BY****Complete (if applicable)**

|                   |               |                                  |        |           |                        |
|-------------------|---------------|----------------------------------|--------|-----------|------------------------|
| Name (Print/Type) | David T. Yang | Registration No (Attorney/Agent) | 44,415 | Telephone | (213) 892-5587         |
| Signature         |               |                                  |        |           | Date December 10, 2001 |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.